Date: 6 December 2017

Sydney, Australia

NOX OPEN BRIEFING CORPORATE PRESENTATION

Sydney, 6 December 2017: Noxopharm (ASX: NOX) and its US subsidiary, Nyrada Inc, are pleased to release their respective corporate presentations to be delivered today to an Open Briefing for shareholders and investors.

The Briefing will review:

- the Noxopharm clinical trial program for NOX66
- the anticipated key milestones for NOX66
- the Nyrada, Inc strategy.

Details of the Open Briefing are as follows:

Time: 12.30 pm – 1.30 pm
Venue: Level 41, 259 George St Sydney

About Noxopharm
Noxopharm is an Australian drug development company with offices in Sydney and Hong Kong. The Company has a primary focus on the development of drugs to sensitize cancer cells to radiotherapy. NOX66 is the first pipeline product, with later generation drug candidates under development.

About Nyrada Inc.
Nyrada Inc is a US biotechnology company, established as a subsidiary of Noxopharm to focus on non-oncology drug development. Nyrada has 3 drug assets: NYX-104 (excitotoxicity inhibitor), NYX-205 (anti-inflammatory), NYX-330 (PCSK9 inhibitor).

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ONCOLOGY
NOX66  Idronoxil (lipophilic form)
Multiple anti-cancer actions

1. Inhibits DNA repair
   (inhibits PARP-1, topoisomerases 1 and 2)

2. Promotes anti-tumour immunity
   (Increases NK (natural killer) cell activity)
**Oral Idronoxil**

- Excreted quickly (45 min)
- Does NOT cross BBB

**NOX66**

- Excreted slowly (10 hours)
- Crosses BBB

LIPROSE Technology
Direct and Abscopal Response to Radio-Therapy

DARRT
Limitation of radiotherapy

Metastatic cancer too extensive for radiation
Radiotherapy applied to large tumours for pain relief

Shrinkage of irradiated tumours
Direct radio-sensitising effect

Shrinkage of irradiated tumours

Seeking complete remission of irradiated tumours

Radiotherapy applied to large tumours for pain relief

Noxopharm NOX66

DIRECT Response to Radio-Therapy

Radiotherapy applied to large tumours for pain relief

Shrinkage of irradiated tumours

Seeking complete remission of irradiated tumours
Low-dose radiotherapy

Seeking complete remission of irradiated tumours

Abscopal response

Exposed tumours respond

Non-exposed tumours also respond
Features of an abscopal response

**Rare** – very rare phenomenon

**Complete** – primary AND secondary tumours respond

**Durable** – potentially permanent

**Unrestricted** – range of cancers reportedly involved

**Short treatment** – single course of treatment (7-14 days)

**Low toxicity** – low-grade radiation sickness
Direct Effect

- Patients with multiple (>3) tumours
- Irradiate 1-2 tumours (5 days)
- NOX66 14 days
- Scan  + 2 months and 4 months
- Direct Effect
  - Prostate cancer (metastatic castrate-resistant)
  - Solid common cancers (e.g., lung, breast, melanoma)
  - Rare cancers (e.g., sarcomas)

- Abscopal Effect

External Beam RT

Noxopharm
DARRT

Direct Effect

- $^{177}$ Lutetium-PSMA-617
- 4 x monthly intravenous injections of LuPSMA/10 days NOX66
- Prostate cancer (metastatic castrate-resistant)

Abscopal Effect
Where NOX66 + Radiotherapy needs a boost ........

NOX66-001  Phase 1b Study  Georgia

+ Low-dose carboplatin (AUC4 – monthly)

400 mg NOX66

5 patients: 1 progressive; 4 non-progressive

800 mg NOX66

7 patients: 1 progressive; 5 non-progressive; 1 partial response
What will a ‘good response’ look like?

• Lung Cancer trial (582 patients evaluated)
  • Opdivo vs standard chemotherapy
    • Survival of 50% of patients - **12.2 months v 9.4 months**
    • Time to disease progression – **2.3 months v 4.2 months**
    • Overall Response Rate – **19% v 12%**
      • Four Complete Responses v One
    • Adverse Reactions (**>20% of patients**) - fatigue, musculoskeletal pain, cough, breathing difficulty, decreased appetite

• US$150,000 treatment cost
• Sales for first 6 months 2016 = US$1.6 billion

http://www.opdivohcp.com/metastatic-nsclc/efficacy临床trial-results
Moving towards first registration

Target Indication: NOX66 in combination with Radiotherapy for the treatment of patients with metastatic cancer

Studies:
- NOX66-002A: Determine Dose of NOX66 (Prostate Cancer)
- NOX66-006: Open Label, all tumours. Safety and efficacy
- NOX66-007: Randomised, 2-3 tumours. Efficacy in comparison to standard care
- LuPIN Study: $^{177}$Lu-PSMA and NOX66 (Prostate Cancer): Supporting registration
- Expansion of $^{177}$Lu-PSMA research

Notes:
- Different Global Regulators may modify indication for specific tumour types
- Indication may also list when treatment can be used
- Indication will discuss how to use Radiotherapy with NOX66
- Rare cancers may not be included in indication, however evidence is important
- Reimbursement is as important as Registration

Other Radiotherapy Research (supportive data, for expanded indication in future) – e.g. brain, paediatrics, stereotactic, brachytherapy etc.
Beyond the trials to reach registration

• **Manufacturing and formulation**: Optimise NOX66 formulation; GMP Manufacturing

• **Pre-clinical / non-clinical**: *in vitro* and animal studies to meet regulatory and other requirements for registration and marketing

• **Medical Affairs**: Liaison with oncologists, advisory boards, congress attendance and presentation

• **Marketing**: Develop Noxopharm presence, brand-naming, commercialization (including pricing) strategy
Communicating Trials Progress 2018

• Progress – based on Data Safety Monitoring Committee Review
  • Independent body – researchers and statisticians
  • Regular meetings during trials – expect ~6 across trials in 2018
  • Review overall progress → decisions on continuation
  • Findings of DSMBs will be communicated

• Trial Data at conferences
  • Contingent on significant milestones in trials (end of study, all patients through a pre-defined time point) – expect ~4 in 2018
  • Requires considerable planning (e.g. ASCO – meeting June, submit presentation in February)
  • Requirement that data are embargoed until presented
  • Where significant outcomes, top line result may be released as per ASX requirements prior to conference
2 technologies

LIPROSE

P-PDT

3 drugs

NYX-104

NYX-205

NYX-330

3 indications

- Stroke
- Concussion
- Severe epilepsy

- Peripheral neuropathy
- Hypercholesterolaemia
NYX-104 Inhibitor of excitotoxicity

Excitotoxicity

- stroke
- epilepsy
- head trauma
- concussion
Receptors activated by small amounts of glutamate. Small amounts of Ca++ allowed to enter neuron, activating a series of events that leads to generation of an electrical signal.
Size of original area of damage from stroke or concussion

Excitotoxicity

Days to weeks later, excitotoxicity has increased area of damage up to **10-times**
1. University of NSW Translational Neuroscience Facility: Breakthrough identification of key protein promoting excitotoxicity (TrpC3 isotope)

2. *In vitro* screen of NOX compounds: **NYX-104** inhibits TrpC3

3. Mouse model of human stroke: **NYX-104** is potent inhibitor of excitotoxicity. 70% reduction in area of brain death post-stroke.
NYX-205

Anti-inflammatory
Designed to cross the blood-nerve barrier

Peripheral neuropathy

- Diabetes
- Chemotherapy
- Alcoholism
- Shingles

Diabetes
Chemotherapy
Alcoholism
Shingles
Peripheral neuropathy

Incidence in US estimated at 20 million:
- Diabetes
- Alcohol abuse
- Chemotherapy

Blood-nerve barrier is major obstacle to effective treatment. NYX-205 designed to cross this barrier.
<table>
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<tr>
<th>NYX-205</th>
<th>Peripheral neuropathy</th>
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**Targeting peripheral neuropathy in cancer patients receiving chemotherapy**

- 60% incidence at 3 months
- 30% incidence at 6 months

**Currently no effective treatment**
NYX-330
Hypercholesterolemia

- Stroke
- Heart disease
- Hypertension
- Alzheimer's

High blood LDL
**PCSK9** identified as superior drug target compared to statin drugs for lowering blood LDL levels.

**PCSK9** is plasma protein that binds to the LDL-LDL receptor complex, preventing recycling of the LDL receptor and thereby increasing LDL levels.

**PCSK9** declared an unsuitable target for small molecule drug. Amgen develops monoclonal antibody. **Repatha** comes to market in 2015.
NYX-330

Hypercholesterolemia

Suitable binding site identified on PCSK9 for attachment of small molecule.

NYX-330 blocks binding of PCSK9 to LDL- LDL receptor complex.
- US-registered
- Focus on small molecules, non-oncology
- 67% owned by NOX; 33% Altnia Holdings
- Currently public unlisted; proposed US listing in 12-18 months
OFFER:

- Raise = AUD$6,000,000

- Seed capital = 1,500,000 New Shares (A$4 each; 2 Options per 3 Shares)

- Capital structure post-exercise of Options
  - NOX 50%
  - Altnia 25%
  - Seed investors 25%

Application for Shares by sophisticated investors, non-US residents only.
Information Memorandum available: info@nyrada.com
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